

SUMMER WORK BIOLOGY

Head of Department

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Exam Board

AQA

Specification

7402

COURSE DETAILS

Examination

The course is examined as a whole at the end of Year 13.

- Topic 1:** Biological Molecules
- Topic 2:** Cells
- Topic 3:** Organisms exchange substances with their environment
- Topic 4:** Genetic information, variation and relationships between organisms
- Topic 5:** Energy transfers in and between organisms
- Topic 6:** Organisms respond to changes in their internal and external environment
- Topic 7:** Genetics, populations, evolution and ecosystems
- Topic 8:** The control of gene expression

SUMMER WORK FOR INTRODUCTION TO YEAR 12

TASK	TOPIC	
1.	A Level Biology Transition Guide	Read through and complete the tasks set in the Transition Guide in preparation for your first Biology lesson in September. You will also find in here readings lists, interesting TED talks and links to Social Media.
2.	Seneca Learning	Join the Gordon's School Summer Work class, using this link: https://app.senecalearning.com/dashboard/join-class/aycek15rji Complete the assignment set by working through the units and completing the tasks by the beginning of term in September.

WIDER READING TO PREPARE FOR COURSE

- Nessa Carey: The Epigenetics Revolution; Junk DNA: A Journey for the Dark Matter of the Genome
- Richard Dawkins: The Selfish Gene; The Blind Watchmaker; The Greatest Show on Earth
- Steve Jones: Language of the Genes; Y: The Descent of Men; Almost like a Whale; Coral: A Pessimist in Paradise; Darwin's Island: The Galapagos in the Garden of England
- Primo Levi: The Periodic Table
- Steve Pinker: The Language Instinct
- James Watson: DNA: The Secret of Life